

COMPACT DISC PLAYER

DP-1080/2080

SERVICE MANUAL

KENWOOD

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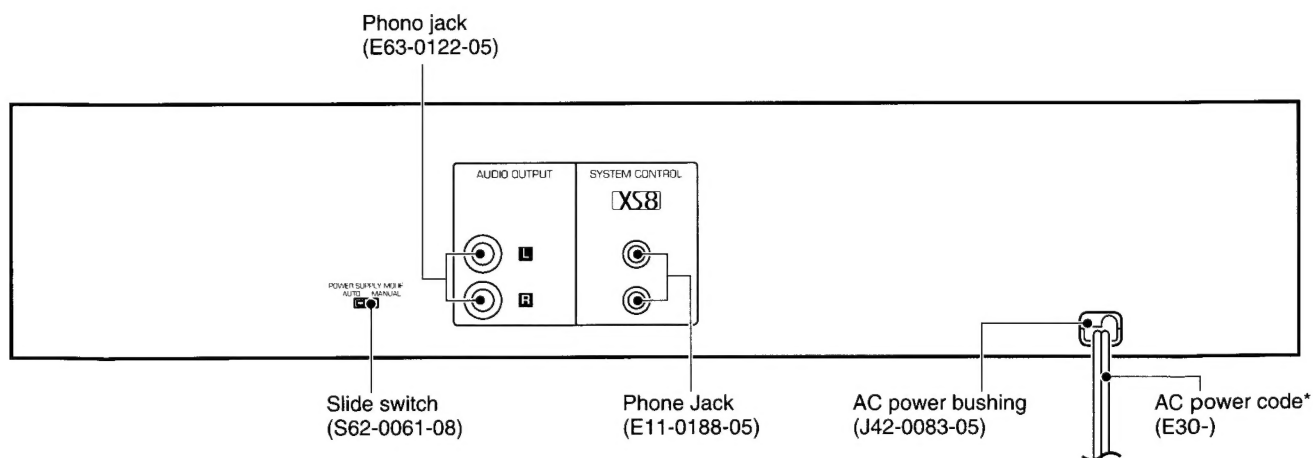
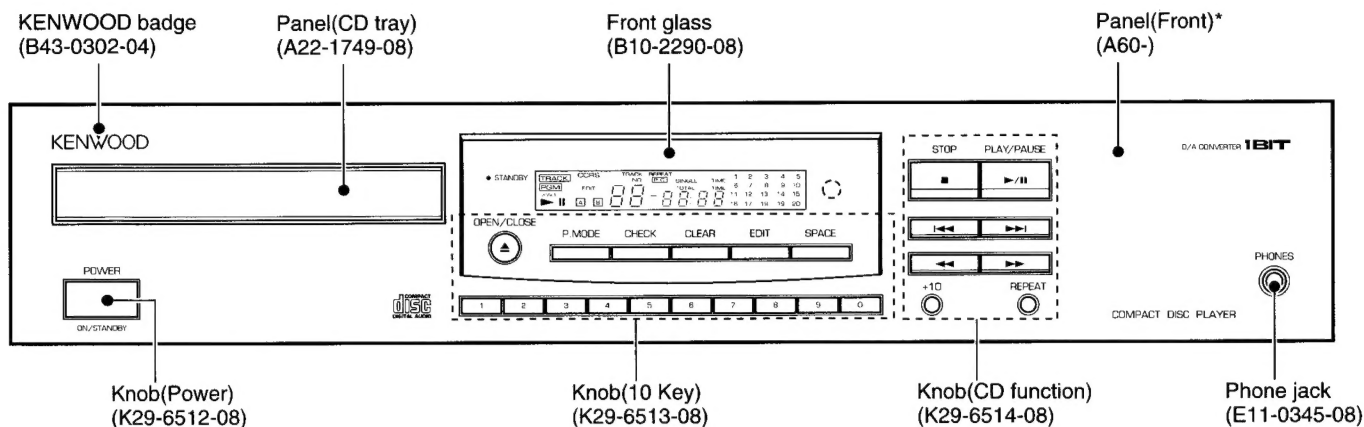


Illustration is DP-2080.

* Refer to parts list on page 19.



In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040. 10, Chapter 1, Subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.

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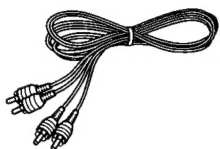
CONTENTS / ACCESSORIES / CAUTIONS

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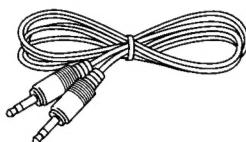
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Accessories

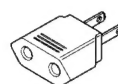
Audio cord(2)
(E30-0505-05)



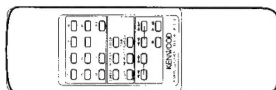
System control cord(1)
(E30-2733-05)



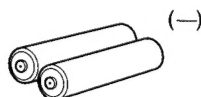
AC plug adaptor(1)
(E03-0115-08)



Remote control unit(1)
(A70-1108-08 :DP-2080 only)



Batteries(2)



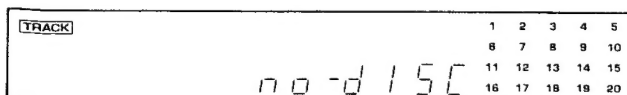
Battery cover (A09-0377-08)

Cautions

Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

1. Turn the power ON but do not load a disc.
2. Wait a few seconds and verify that the display shown appears.
Wait further a few seconds.
3. Turn the power OFF.



Beware of condensation

When water vapor comes into contact with the surface of cold material, water drops are produced. If condensation occurs, correct operation may not be possible, or the unit may not function correctly. This is not a malfunction, however, and the unit should be dried. (To do this, turn the POWER switch ON and leave the unit for several hours.)

Be especially careful in the following conditions:

- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

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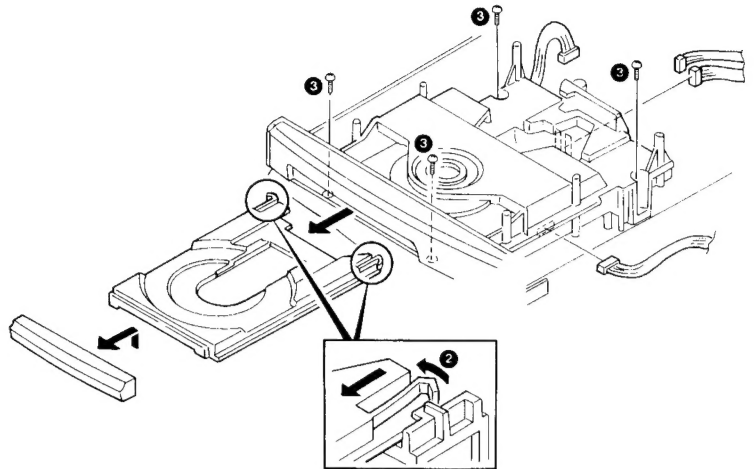
DISASSEMBLY FOR REPAIR

CD mechanism section

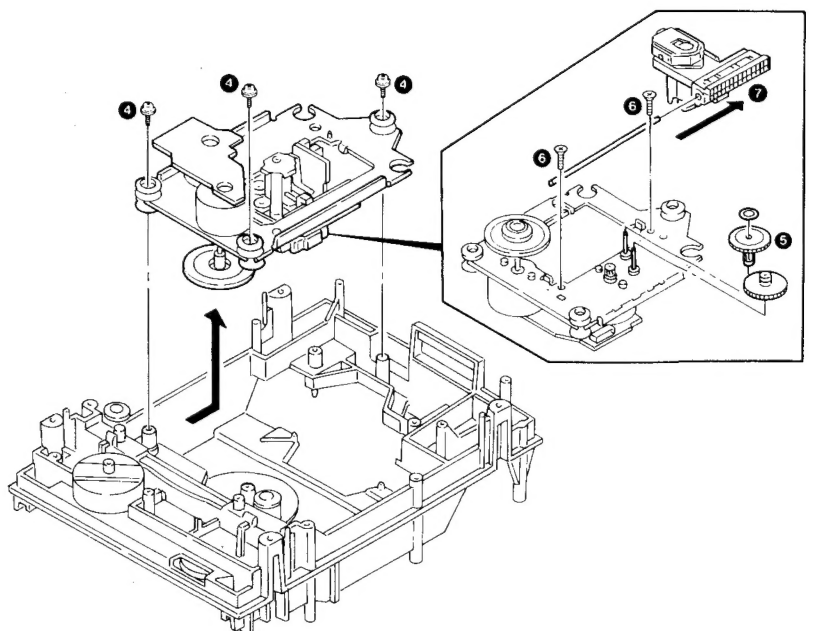
1. How to remove pick-up

* Remove the metallic cabinet before disassembling.

1. Press the OPEN/CLOSE key, then open the tray and remove the tray panel.
2. Remove the tray stopper (2) from the mechanism, then remove the tray.
3. Remove the 4 screws (3), then remove the CD mechanism.



4. Remove the 3 screws (4), then remove the pick-up ass'y.
5. Remove the two gears (5), then remove the 2 screws (6).
6. Remove the pick-up (7) from the rod.

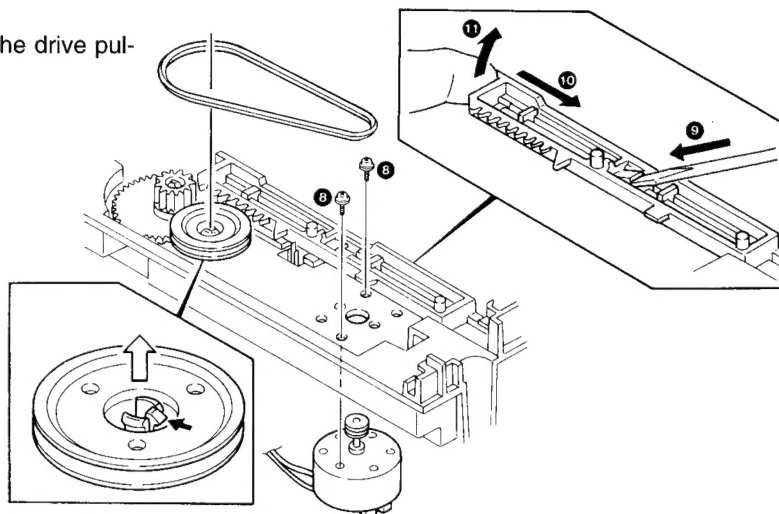


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DISASSEMBLY FOR REPAIR

2. How to remove loading motor and gear.

1. Remove the drive belt, then remove the 2 screws (9), and remove the loading motor.
2. While pulling the hooker (9) of the rack gear by the screw driver push the rack gear fully rightwards (10), then remove the rack gear (11).
3. Push the hooker of the drive pulley, then remove the drive pulley and tray gear.

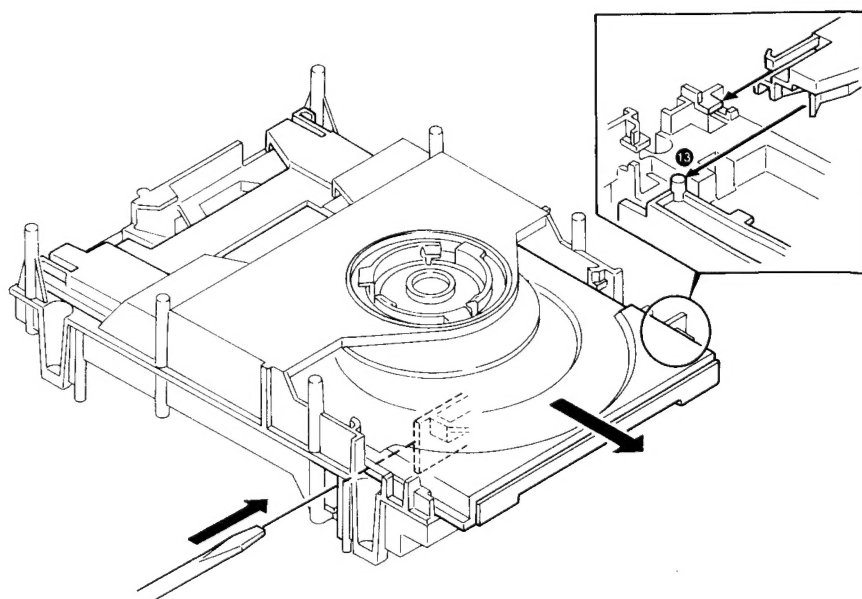


3. How to mount tray

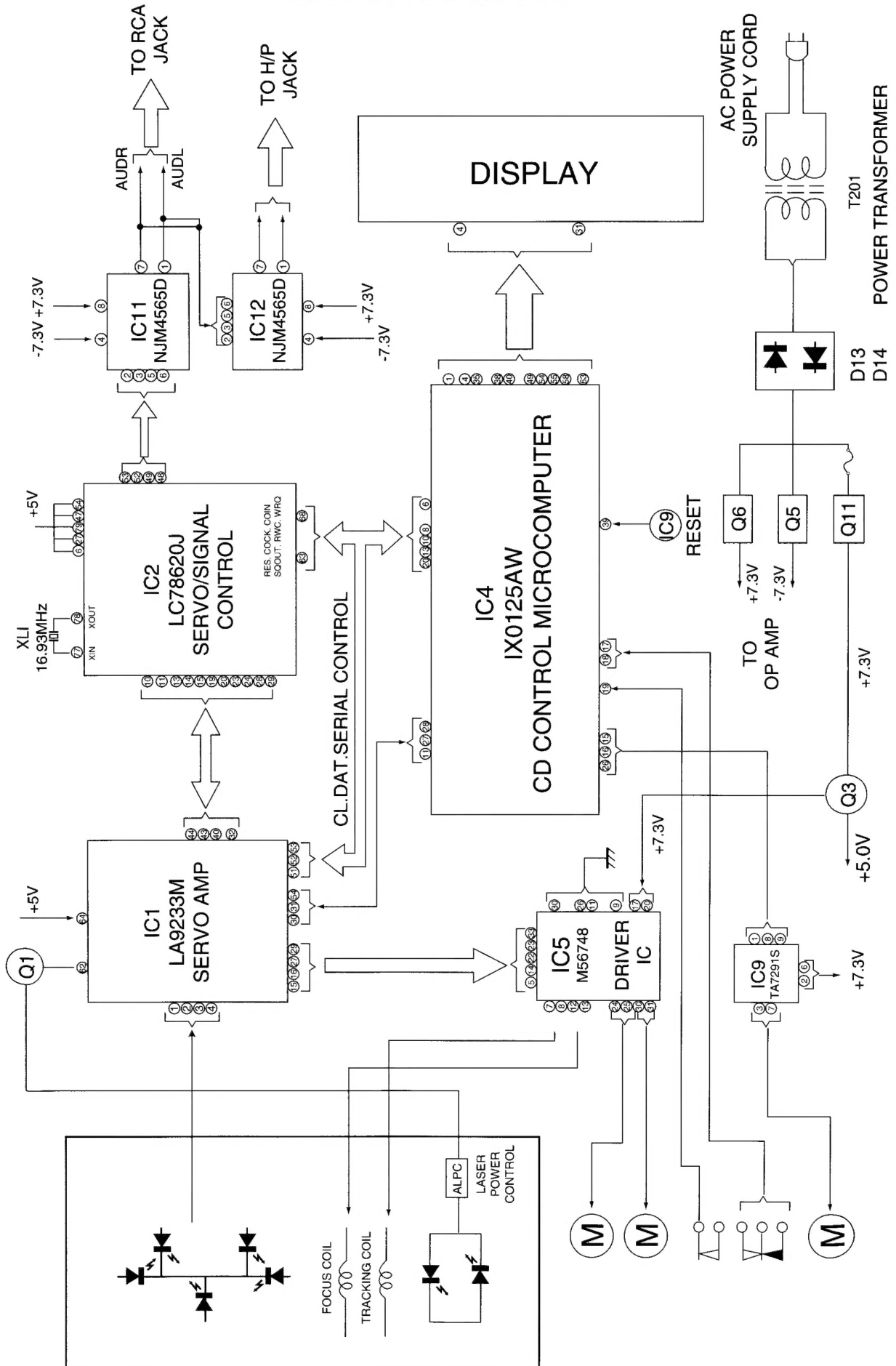
1. Set the tray-back-groove to the boss of rack gear (13).

4. How to open tray when tray not come out.

1. Insert the screw driver to left side hole of mechanism ass'y.
2. While pushing the rack gear fully right wards, then the tray pull.



BLOCK DIAGRAM



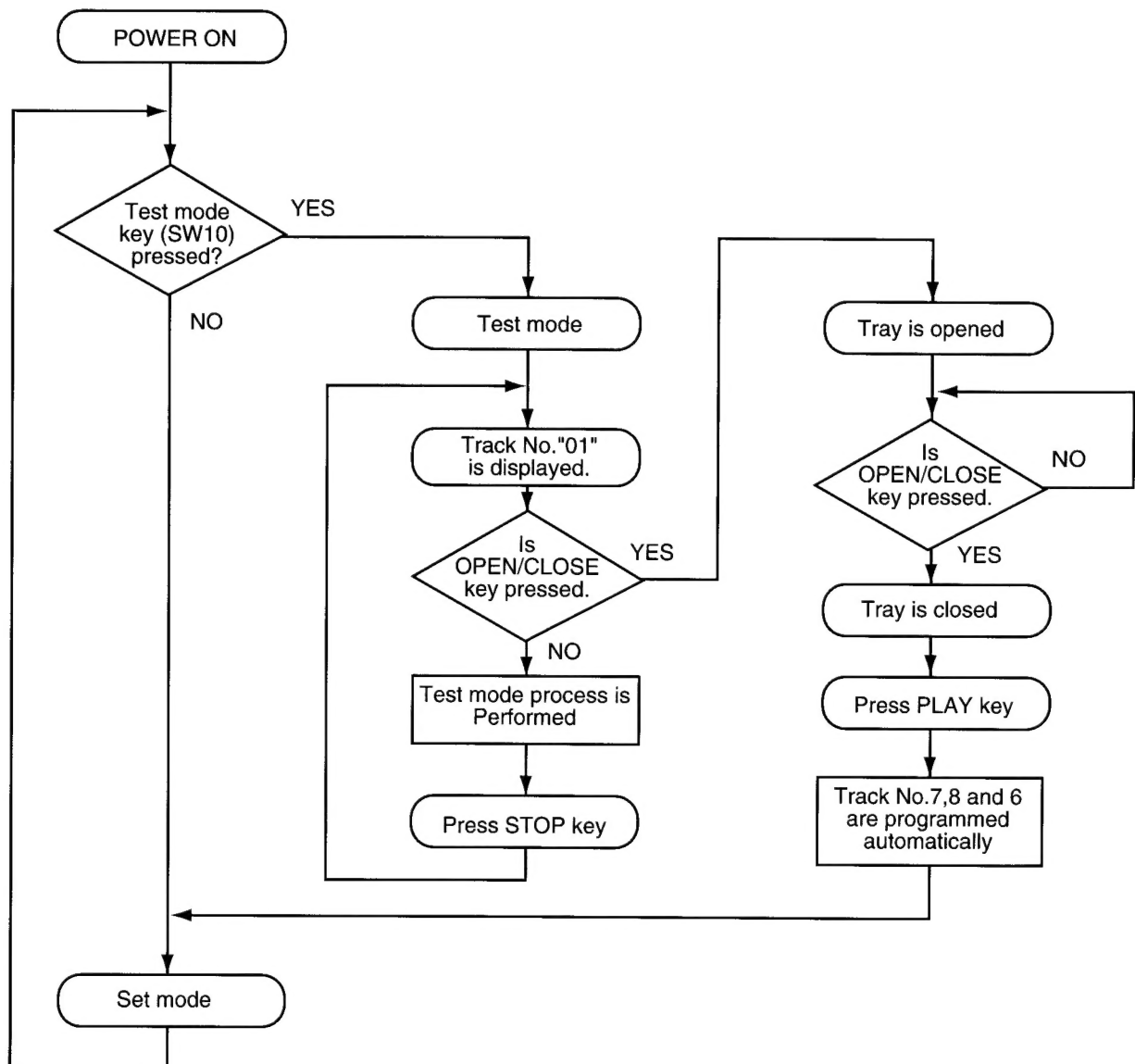
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CIRCUIT DESCRIPTION

1. Test mode

1-1. Setting the test mode

The microprocessor built in the unit can be put to TEST MODE by just pressing the TEST MODE switch (SW10, on PCB) when set to power on.



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CIRCUIT DESCRIPTION

2. Microprocessor : IX0125(IC4)

2-1. Pin function

No.	Pin name	I/O	Function
1~4	g, f, b, a	O	Fluorescent indicator segment.
5	16/8 bit	—	+5V
6	CQCK	O	DSP IC CQCK terminal.
7	COIN	O	DSP IC COIN terminal.
8	SQ OUT	I	DSP IC SQ OUT terminal.
9	RMC	—	GND
10	WRQ	I	DSP IC WRQ terminal.
11	DRF	I	LA9233M DRF terminal.
12	PWP CK	I	Power supply mode state check signal.
13	RWC	O	DSP IC RWC terminal.
14	MUT	—	No connected.
15	LOADING CLOSE	O	Tray close signal output.
16	LOADING OPEN	O	Tray open signal output.
17	OPEN SW	I	Tray open detection signal input.
18	CLOSE SW	I	Tray close detection signal input.
19	PU-IN SW	I	Pick up limit signal input.
20	RES	O	DSP IC reset signal output.
21	BUSY	I/O	System control signal (BUSY).
22	SDATA	I/O	System control signal (DATA).
23	HS	O	High speed control.
24	PWR ON/OFF	—	No connected.
25	LASER ON/OFF	O	Laser ON/OFF control signal output.
26	TRY L/H	I	Feed motor ON/OFF signal input.
27	SLD +	O	Feed motor control signal output.
28	SLD-	O	Feed motor control signal output.
29	PPO	—	No connected.
30	X1	I	Oscillator signal input.
31	X2	O	Oscillator signal output.
32	Vss	—	GND
33	XT1	—	GND
34	XT2	—	No connected.
35~38	P50~P53	I	Key input signal.
39	RESET	I	Reset signal input.
40~49	G10~G1	O	Fluorescent indicator tube grid signal output.
50~53		—	No connected.
54, 55	k, j	O	Fluorescent indicator segment.
56	Vload	—	FL pull down resistor power supply (-30V).
57	Vpre	—	FL driver circuit power supply (-6V).
58~63	i, l, h, d, e, c	O	Fluorescent indicator segment.
64	Vdd	—	Power supply (+5V).

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CIRCUIT DESCRIPTION

2-2. Key and functions valid in test mode

No.	Input key	Function	Track No. display																																		
1	PLAY	(1) Focusing servoON (2) Tracking servoON (3) Feed servoON	TRACK NO. 05 ↓ Displayed for a few seconds after completion (1). (2) and (3). ↓ Disc Track No. 1 is displayed.																																		
2	CHECK or Number "0" key	(1) Focusing servoON (2) Tracking servoOFF (3) Feed servoOFF	TRACK NO. 03																																		
3	CLEAR	(1) Focusing servoON (2) Tracking servoON (3) Feed servoOFF	TRACK NO. 04																																		
4	STOP	(1) Focusing servoOFF (2) Tracking servoOFF (3) Feed servoOFF	TRACK NO. 01																																		
5	▶▶	In the STOP mode, moves the pickup slightly toward the outer position of disc. When feed servo is ON, sets the track gain to "H".	—																																		
6	◀◀	In the STOP mode, moves the pickup slightly toward the inner position of disc. When feed servo is ON, sets the track gain to "L".	—																																		
7	UP ▶▶	Turns all FL display lamps ON.	TRACK NO. 88																																		
8	DOWN ◀◀	Turns all FL display lamps OFF. "TRACK NO." is lighted.	TRACK NO. 88																																		
9	+10	Playback Track No. 1 under High-speed mode (If not open tray, SPACE key function is available.)	—																																		
10	SPACE	Set playback mode to High-speed or Normal.	—																																		
11	P.MODE	Track No. 7,8 and 6 (High-speed) are programmed and playback from Track No. 7. The test mode is canceled.	—																																		
12	OPEN/CLOSE	When the tray is opened then closed. Track No. 7,8 and 6 are programmed and set is in STOP mode. The test mode is canceled.	TRACK NO. 01																																		
13	Numeric key (1~9)	Jumps tracks as shown below. <table border="1"><tr><td>Key</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>Number of tracks</td><td>1</td><td>4</td><td>128</td><td>512</td><td>1000</td></tr><tr><td>Direction</td><td colspan="5">Outer</td></tr><tr><td>Key</td><td>6</td><td>7</td><td>8</td><td>9</td><td rowspan="3"></td></tr><tr><td>Number of tracks</td><td>1</td><td>4</td><td>128</td><td>512</td></tr><tr><td>Direction</td><td colspan="4">Inner</td></tr></table>	Key	1	2	3	4	5	Number of tracks	1	4	128	512	1000	Direction	Outer					Key	6	7	8	9		Number of tracks	1	4	128	512	Direction	Inner				—
Key	1	2	3	4	5																																
Number of tracks	1	4	128	512	1000																																
Direction	Outer																																				
Key	6	7	8	9																																	
Number of tracks	1	4	128	512																																	
Direction	Inner																																				
14	REPEAT	(1) TrayOpened (2) LaserON The REPEAT function is canceled when the tray is closed by pressing the tray. "REPEAT" figures is lighted.	TRACK NO. 02																																		

REPEAT mode : Press "REPEAT" key → Press "OPEN/CLOSE" key → Press "REPEAT" key...

ADJUSTMENT

CD section

Since this CD system incorporates the following automatic adjustment function, when the pickup is replaced, it is not necessary to readjust it.

Since this CD unit does not need adjustment, the combination of PWB and laser pickup unit is not restricted.

•Automatic adjustment item

1. Focus offset (Fig.1)
2. Tracking offset (Fig.2)
3. E/F balance (Tracking error balance) (Fig.3)
4. RF level AGC function (HF level : constant)
5. RF level automatic follow-up of the tracking gain

This automatic adjustment is performed each time a disc is changed. Therefore, each disc is played back using the optimal settings.

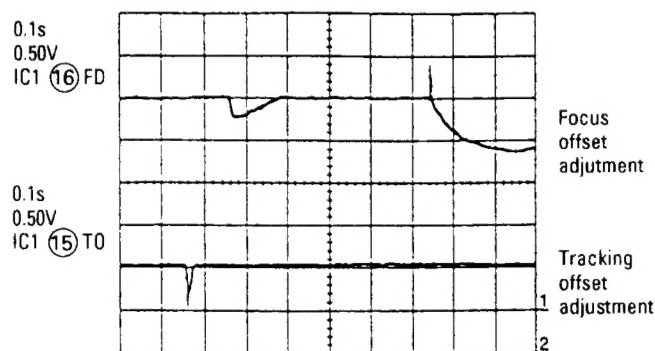


Fig.1

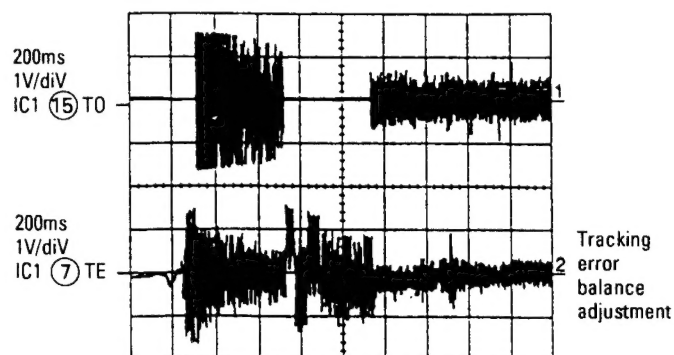


Fig.3

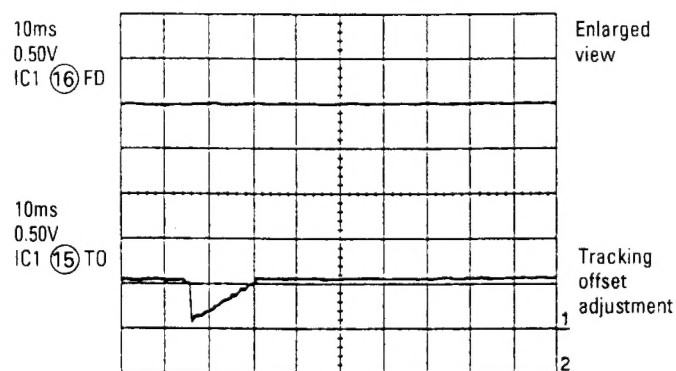


Fig.2

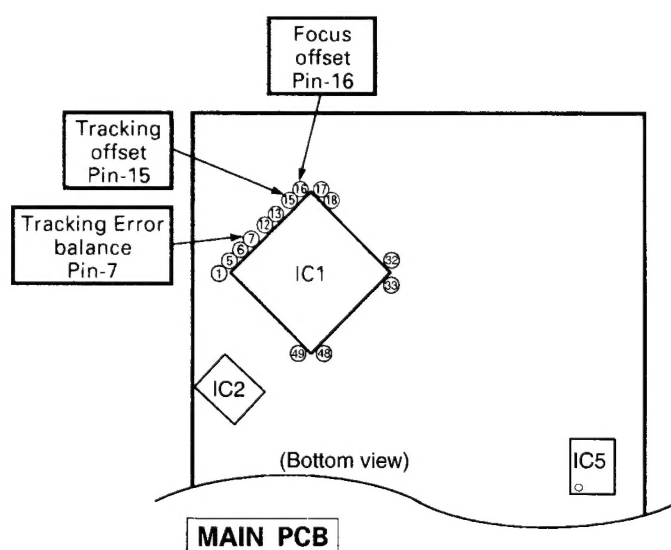
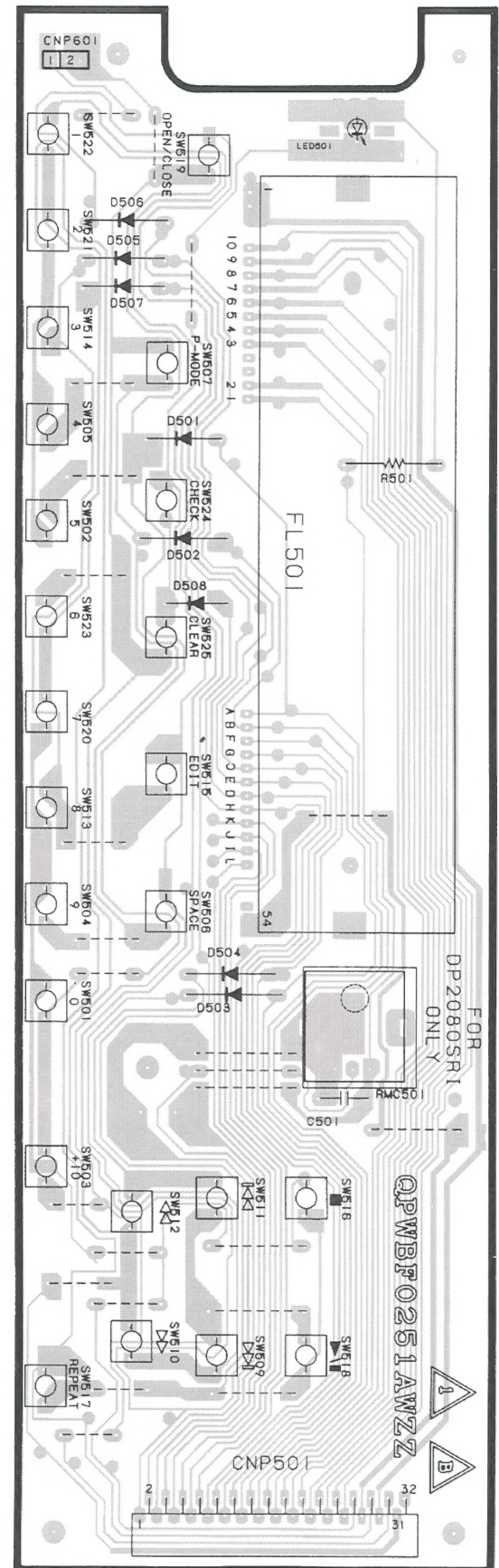
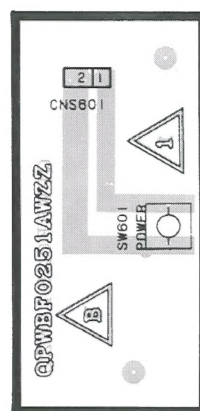
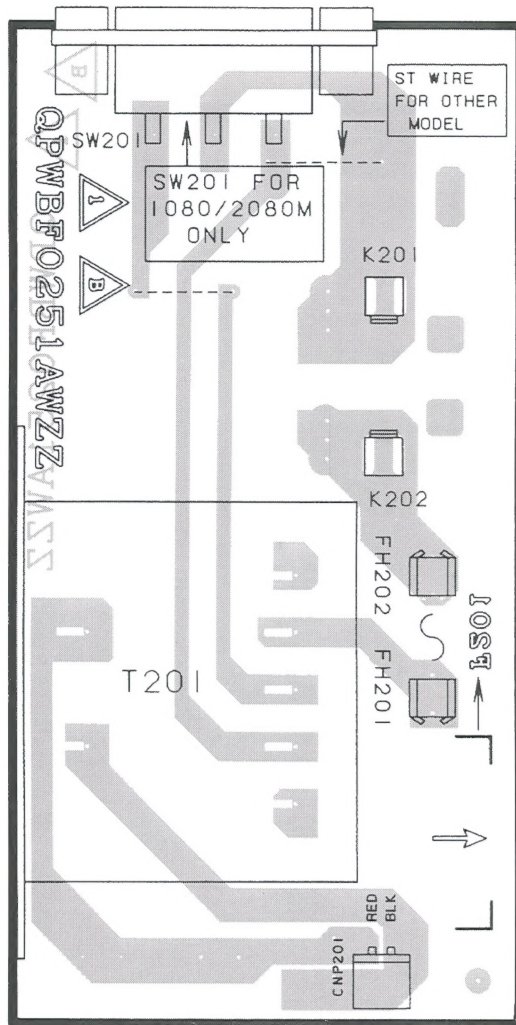


Fig.4 Checking points

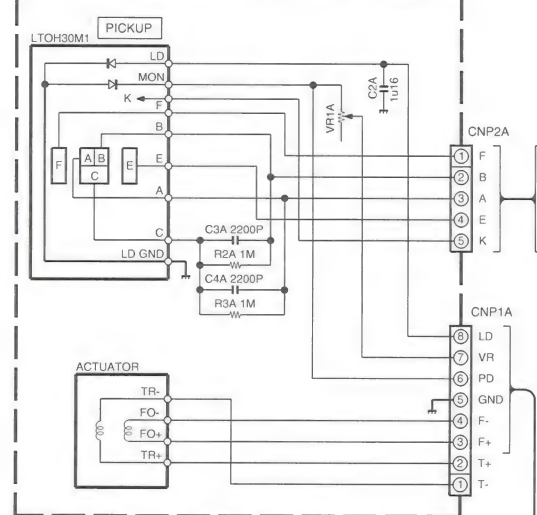
PC BOARD(COMPONENT SIDE VIEW)



Refer to the schematic diagram for the value of resistors and capacitors.



CD PICKUP UNIT



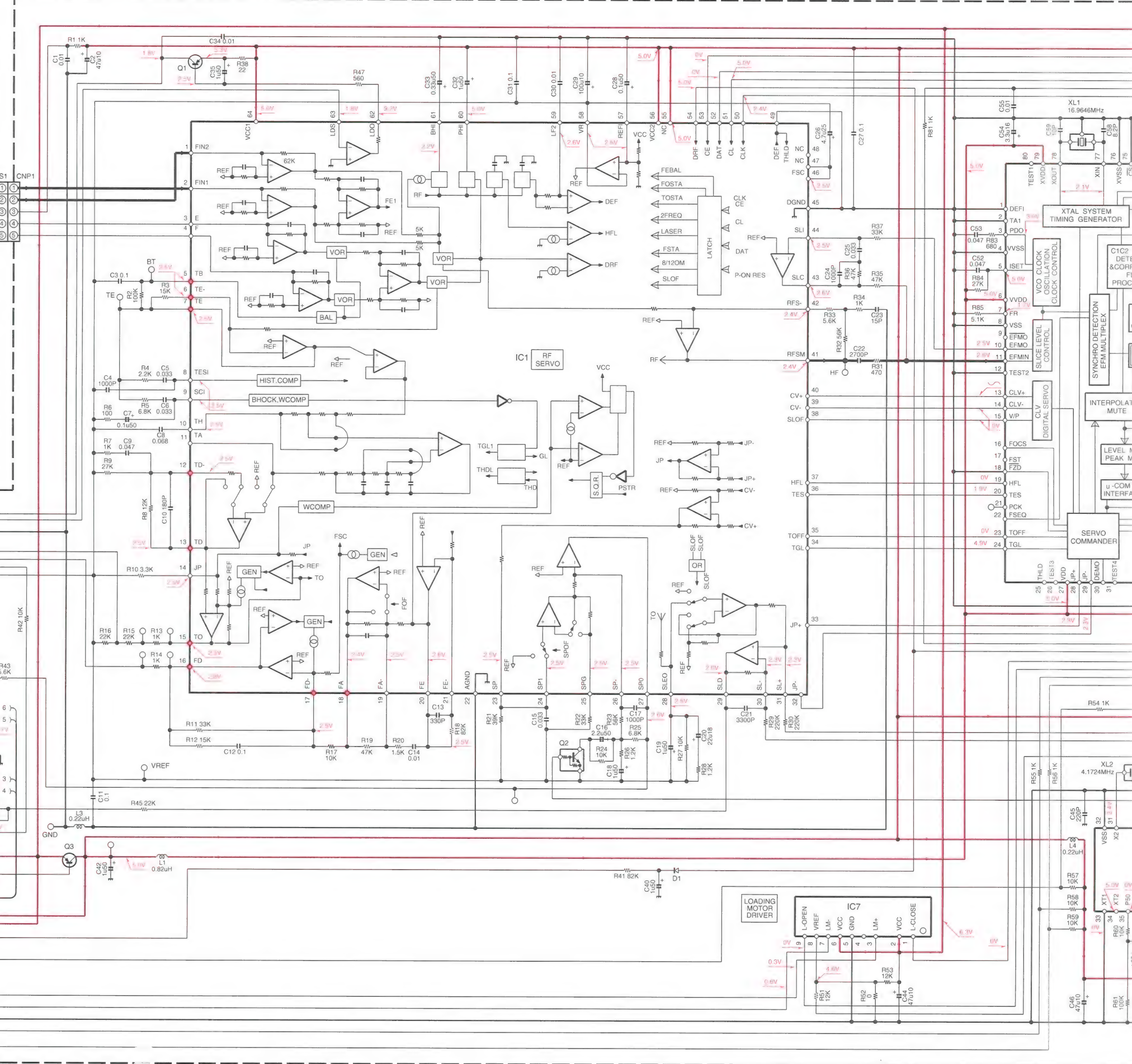
- IC1 : LA9233M
- IC2 : LC78620J
- IC4 : IX0125AWZZ
- IC5 : M56748FP
- IC7 : TA7291S
- IC9 : KIA7036
- IC11,12 : NJM4565D

- Q1,5 : 2SA1266(GR)
- Q2,13 : KRC107M
- Q3 : KTA127(Y)
- Q4 : 2SB1237R3
- Q6-10 : KTC3199(GR)
- Q11 : 2SD2012

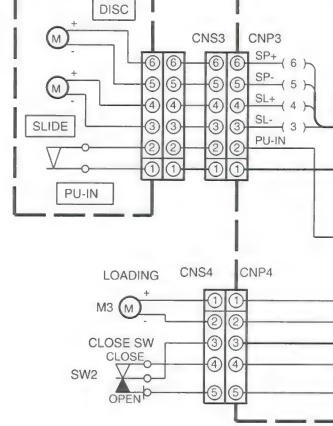
- ZD2,4,5 : MTZJ9.1A
- ZD3 : MTZJ7R5BT
- ZD6 : MTZJ30BT
- ZD7 : MTZJ6R8B
- ZD10 : MTZJ8R2AT

- D1-9,301,302, 701,702 : 1SS133
- D10,13,14 : RL104T

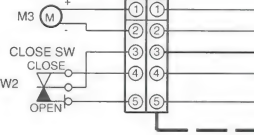
CD SERVO UNIT

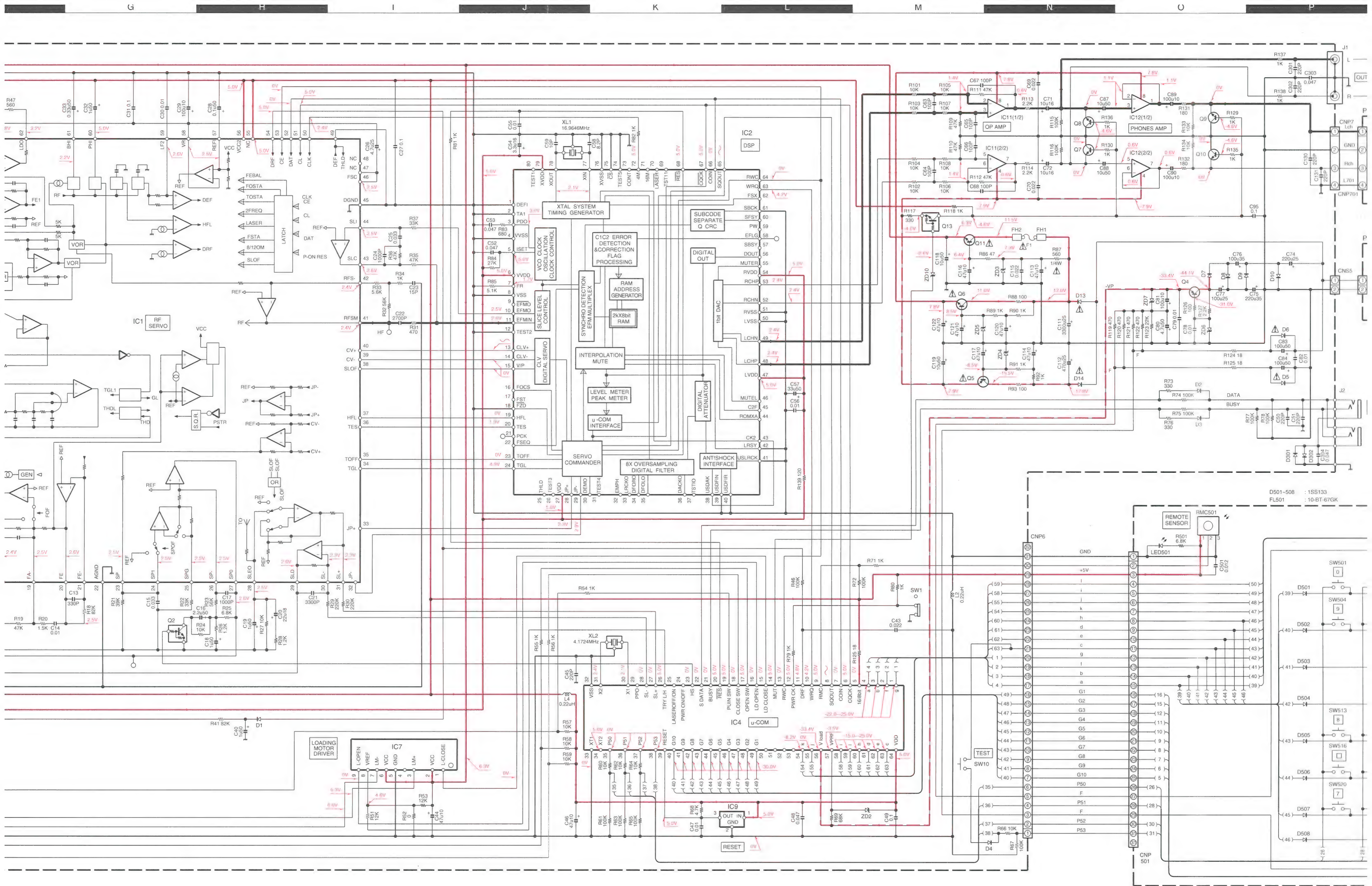


MOTOR PCB



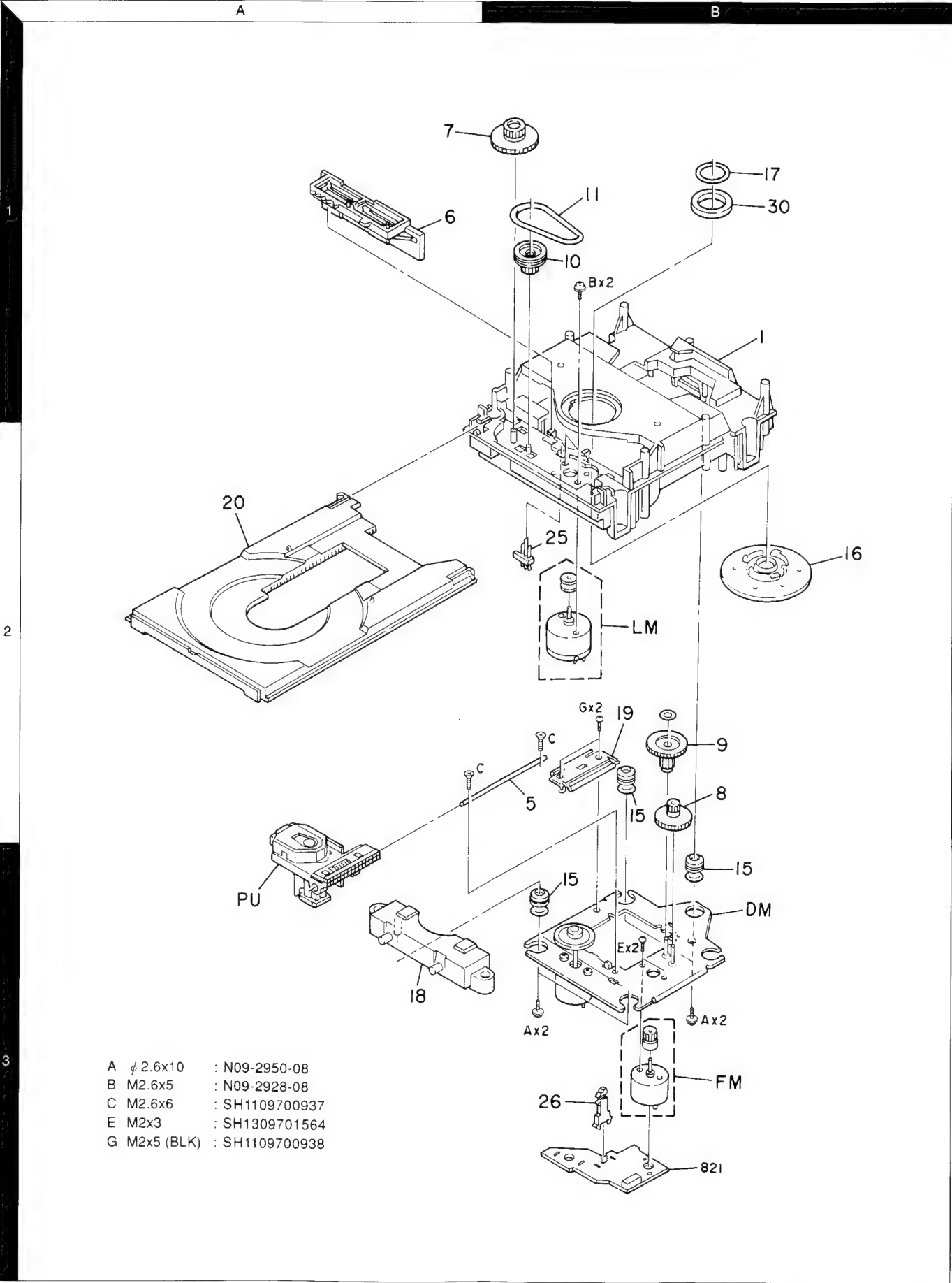
LOADING



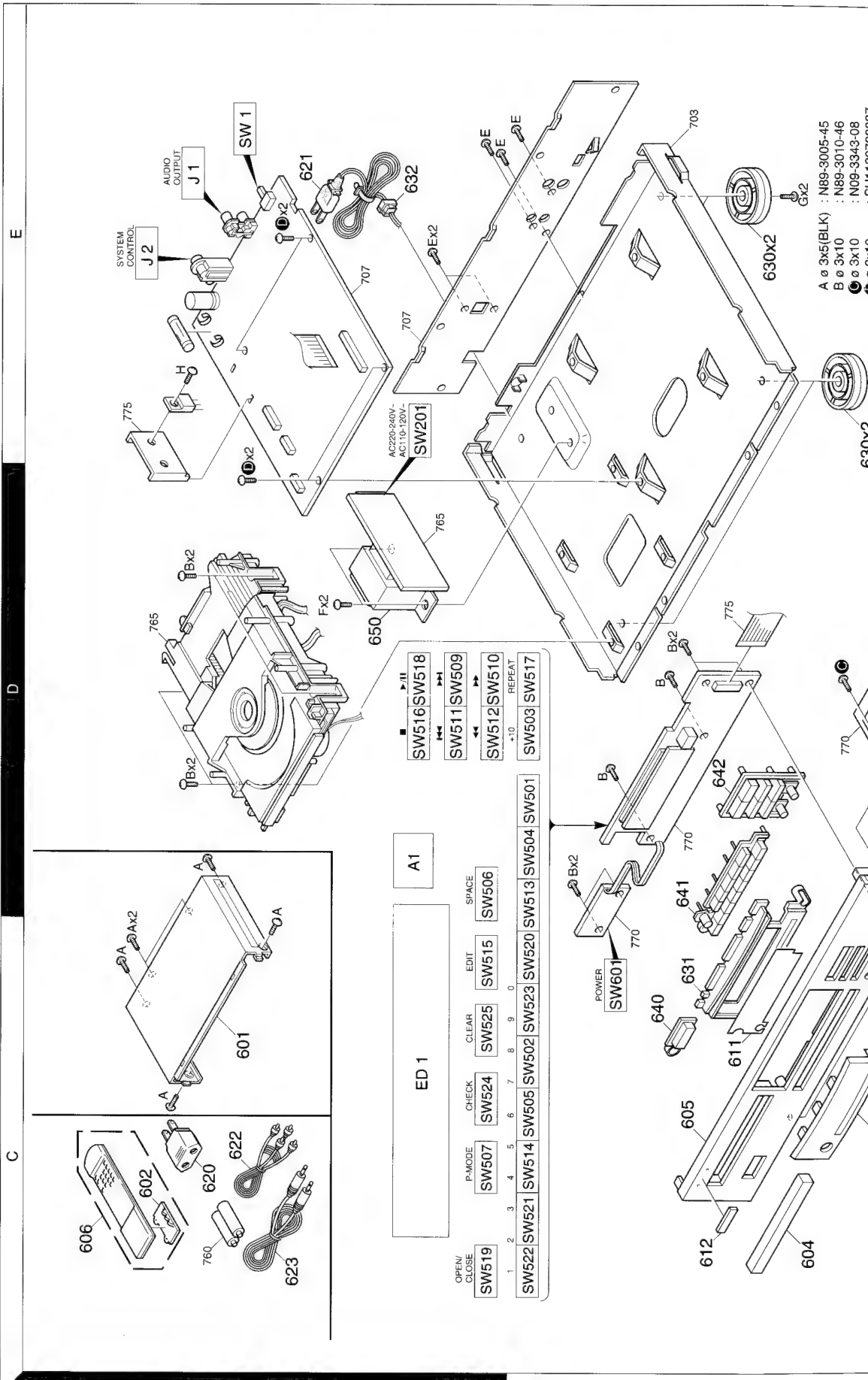


EXPLODED VIEW (MECHANISM)

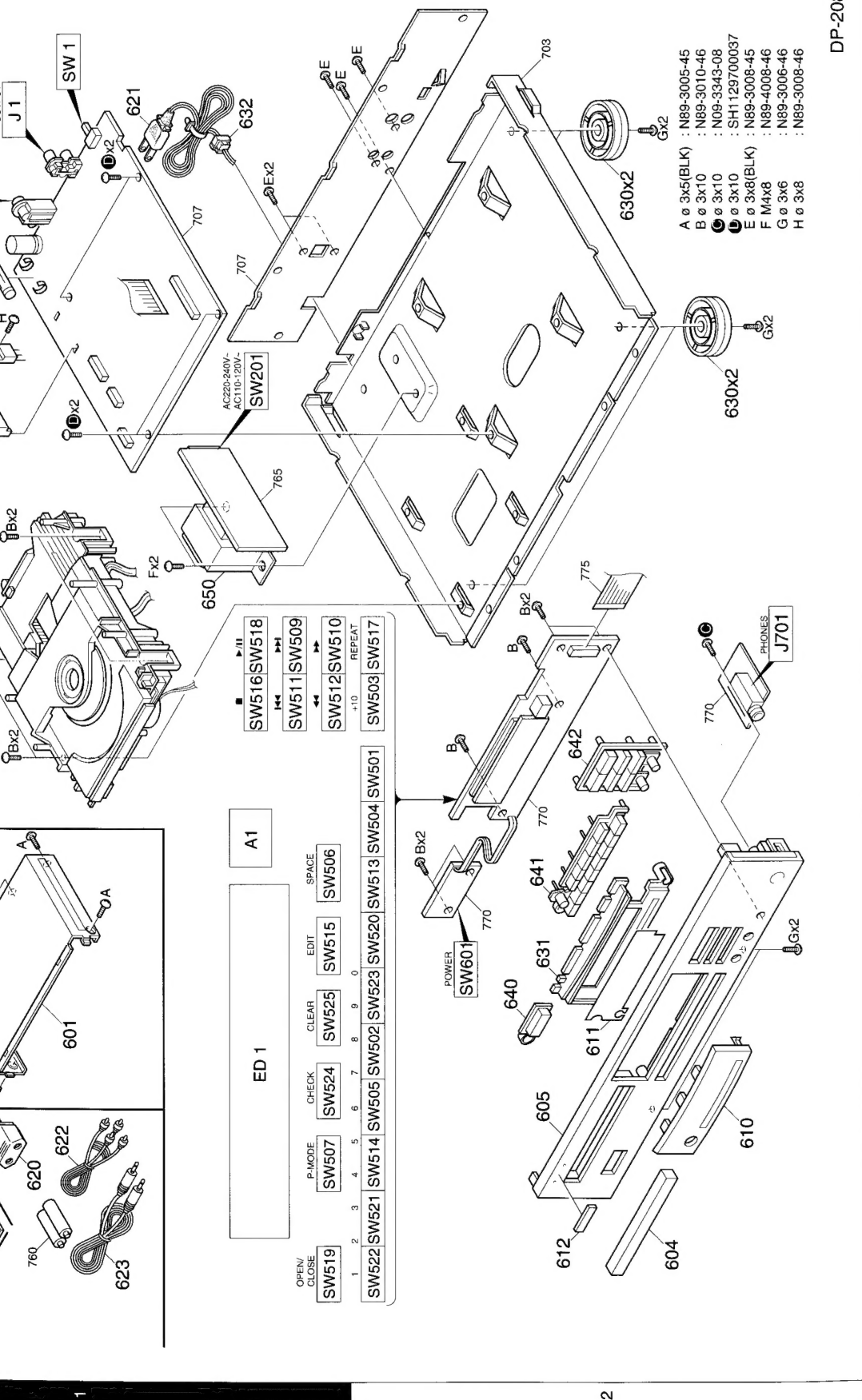
EXPLODED VIEW (UNIT)



Parts with the exploded numbers larger than 700 are not supplied.



Parts with the exploded numbers larger than 700 are not supplied.



Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

19

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
DP-1080/2080						
301	1C	*	A01-3379-08	METALLIC CABINET		
302	1C	*	A09-0377-08	BATTERY COVER (FOR RC-P0202)		
304	2C	*	A22-1749-08	PANEL (CD TRAY)		
305	2C	*	A60-1027-08	PANEL (FOR DP-2080)		
306	2C	*	A60-1028-08	PANEL (FOR DP-1080)		
	1C	*	A70-1108-08	REMOTE CONT(RC-P0202 FOR 2080)		
310	2C	*	B10-2290-08	FRONT GLASS		
311	2C	*	B11-0340-08	COLOR FILTER		
312	2C	*	B43-0302-04	KENWOOD BADGE		
		*	B60-2687-08	INSTRUCTION MANUAL(ENGLISH)		
		*	B60-2688-08	INSTRUCTION MANUAL(G,D,I,S,F)		
		*	B60-2689-08	INSTRUCTION MANUAL(ENG,CHINA)		
		*	B60-2690-08	INSTRUCTION MANUAL(EN,CH,SY)		
		*	B60-2691-08	INSTRUCTION MANUAL(TAIWANESE)		
		*	B60-2692-08	INSTRUCTION MANUAL(PO)		
320	1C		E03-0115-05	AC PLUG ADAPTOR		
321	1E		E30-0459-08	AC POWER CORD		
321	1E		E30-2753-08	AC POWER CORD		
322	1C		E30-0505-05	AUDIO CORD		
323	1C		E30-2733-05	SYSTEM CONTROL CODE		
		*	H25-1582-08	PROTECTION BAG		
		*	H25-1594-08	PROTECTION BAG (SET)		
		*	H50-1902-08	ITEM CARTON CASE		
		*	H50-1903-08	ITEM CARTON CASE		
		*	H50-1904-08	ITEM CARTON CASE		
330	2E	*	J02-1171-08	FOOT		
331	2E	*	J19-5754-08	HOLDER		
332	1E	*	J42-0083-05	AC CORD BUSHING (FL)		
340	2C	*	K29-6512-08	KNOB		
341	2C,2D	*	K29-6513-08	KNOB		
342	2C	*	K29-6514-08	KNOB (POWER)		
		*	K29-6514-08	KNOB (10KEY)		
		*	K29-6514-08	KNOB (CD FUNCTION)		
350	1D	*	L07-2252-08	POWER TRANSFORMER		
350	1D	*	L07-2253-08	POWER TRANSFORMER		
350	1D	*	L07-2254-08	POWER TRANSFORMER		
C	C		N09-3343-08	SCREW		
D	D		SH1129700037	SCREW (M3X10 SPECIAL)		
ELECTRIC PARTS						
C1			CK45FB1C103K	CERAMIC		
C2			CE04KW1A470M	ELECTRO		
C3			CK45FB1C104K	CERAMIC		
C4			CK45FB1E102K	CERAMIC		
C5, 6			CK45FB1E333K	CERAMIC		
C7			CE04KW1H0R1M	ELECTRO		
C8			CK45FB1C683K	CERAMIC		
C9			CK45FB1E473K	CERAMIC		
C10			CK45FL1H181J	CERAMIC		
C11, 12			CK45FB1C104K	CERAMIC		
C13			CC45FSL1H331J	CERAMIC		

A indicates safety critical components.

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* New Parts
Parts without **Parts No.** are not supplied.
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Teile ohne **Parts No.** werden nicht geliefert.

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C112			CE04KW1E47M	ELECTRO	25WV	
C113			CE04KW1A47M	ELECTRO	470UF	
C114			CE04KW1A47M	ELECTRO	47UF	
C115			CE04KW1E223K	CERAMIC	0,022UF	
C116			CE04KW1A470M	ELECTRO	47UF	
C117			CE04KW1A470M	ELECTRO	10UF	
C118			CE04KW1H100M	ELECTRO	10UF	
C119			CE04KW1H100M	ELECTRO	10UF	
C120-122			CE04KW1A470M	ELECTRO	47UF	
C130-131			CE04FB1H221K	CERAMIC	220PF	
C301-302			CE04FB1H221K	CERAMIC	220PF	
C303-304			CE04FB1E473K	CERAMIC	0,047UF	
C501			CE04FB1H123K	CERAMIC	0,012UF	
C701			CE04FB1E473K	CERAMIC	0,047UF	
675	2D	*	E35-1672-08	FLAT CABLE CONNECTOR	(CNP6-501)	
CNP1			E40-9866-08	PIN ASSY	(5P)	
CNP2			E40-9995-08	PIN ASSY	(5P)	

*** New Parts**
Parts without
Les articles no
Teile ohne Par

Ref. No	Ad-dress	New Parts	Parts No.	Description	Re- marks
C14			CK45FB1H103K	CERAMIC	
C15			CK45FB1E333K	CERAMIC	K
C16			CE04KW1H2R2M	ELECTRO	K
C17			CK45FB1H102K	CERAMIC	50WV
C18, 19			CE04KW1H010M	ELECTRO	K
C20			CE04KW1C220M	ELECTRO	220UF
C21			CK45FB1H332M	CERAMIC	3300PF
C22			CK45FB1H272M	CERAMIC	2700PF
C23			CK45FSL1H150J	CERAMIC	15PF
C24			CK45FB1E102K	CERAMIC	1000PF
C25			CK45FB1E333K	CERAMIC	0.033UF
C26			CE04KW1E4R7M	ELECTRO	4.7UF
C27			CK45FB1C103K	CERAMIC	0.010UF
C28			CE04KW1HOR1M	ELECTRO	0.1UF
C29			CE04KW1A101M	ELECTRO	100UF
C30			CK45FB1H103K	CERAMIC	0.010UF
C31			CK45FB1H104K	CERAMIC	0.10UF
C32			CE04KW1H010M	ELECTRO	K
C33			CK44KW1HR33M	ELECTRO	50WV
C34			CK45FB1H103K	CERAMIC	0.010UF
C35			CE04KW1H010M	ELECTRO	50WV
C40			CE04KW1H010M	ELECTRO	1.0UF
C41			CE04KW1A101M	ELECTRO	100UF
C42			CE04KW1H010M	ELECTRO	1.0UF
C43			CK45FB1E223K	CERAMIC	0.022UF
C44			CE04KW1A470M	ELECTRO	47UF
C45			CK45FSL1H221J	CERAMIC	220PF
C46			CE04KW1A470M	ELECTRO	47UF
C47			CK45FB1H103K	CERAMIC	0.010UF
C48			CK45FB1E473K	CERAMIC	0.047UF
C49			CK45FB1C104K	CERAMIC	K
C50, 51			CK45FSL1H221J	CERAMIC	220PF
C52, 53			CK45FB1E473K	CERAMIC	0.047UF
C54			C90-3231-05	ELECTRO	3.3UF
C55, 56			CK45FB1H103K	CERAMIC	0.010UF
C57			CE04KW1H221M	ELECTRO	220UF
C58			CK45FSL1H8R2D	CERAMIC	8.2PF
C59			CK45FSL1H100J	CERAMIC	100PF
C63, 64			C91-1544-06	MYLAR	63WV
C65-68			CK45FB1H101K	CERAMIC	100PF
C69, 70			CK45FB1E223K	CERAMIC	0.022UF
C71, 72			CE04KW1C100M	ELECTRO	100UF
C74			CE04KW1E221M	ELECTRO	220UF
C75			CE04KW1V221M	ELECTRO	220UF
C76			CE04KW1V101M	ELECTRO	100UF
C77			CE04KW1E101M	ELECTRO	100UF
C78, 79			CK45FB1H103K	CERAMIC	0.010UF
C80			CE04KW1H4R7M	ELECTRO	4.7UF
C81			CE04KW1A101M	ELECTRO	50WV
C82			CK45FB1H103K	CERAMIC	100WV
C83, 84			CE04KW1H101M	ELECTRO	K
C87, 88			CE04KW1H100M	ELECTRO	50WV
C89, 90			CE04KW1A101M	ELECTRO	100WV
C95			CK45FB1H103K	CERAMIC	0.010UF
C111			CE04KW1E332M	ELECTRO	3300UF

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
IC2		*	IC78620J	IC		
IC3		*	KA7815	IC		
IC4		*	M6575FP	IC		
IC7		*	TA7291S	IC(BRIDGE DRIVER)		
IC9		*	KIA7038	IC		
IC11, 12				IC(OP AMP X2)		
LED501			NJM4565D	LED		
Q1		*	3N4PDN32	TRANSISTOR		
Q3		*	KTA1266GR	TRANSISTOR		
Q4		*	KTA1271Y	TRANSISTOR		
Q5			2SB1237R3	TRANSISTOR		
Q6 -10			KTA1266GR	TRANSISTOR		
Q11			KTC3199GR	TRANSISTOR		
Q13			2SD2012	TRANSISTOR		
Q14			KRC107M	TRANSISTOR		
ZD2			MTZJ9R1A	ZENER DIODE		

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DP-1080/2080

PARTS LIST

DP-1080/2080

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1

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
DP-1080/2080						
601	1C	*	A01-3379-08	METALLIC CABINET		
602	1C	*	A09-0377-08	BATTERY COVER (FOR RC-P0202)		
604	2C	*	A22-1749-08	PANEL (CD TRAY)		
605	2C	*	A60-1027-08	PANEL (FOR DP-2080)		
605	2C	*	A60-1028-08	PANEL (FOR DP-1080)		
606	1C	*	A70-1108-08	REMOTE CONT.(RC-P0202 FOR 2080)		
610	2C	*	B10-2290-08	FRONT GLASS		
611	2C	*	B11-0340-08	COLOR FILTER		
612	2C	*	B43-0302-04	KENWOOD BADGE		
-	-	*	B60-2687-08	INSTRUCTION MANUAL(ENGLISH)		
-	-	*	B60-2688-08	INSTRUCTION MANUAL(G.D.I.S.F)		
-	-	*	B60-2689-08	INSTRUCTION MANUAL(ENG.CHINA)		
-	-	*	B60-2690-08	INSTRUCTION MANUAL(EN.CH.SV)		
-	-	*	B60-2691-08	INSTRUCTION MANUAL(TAIWANESE)		
-	-	*	B60-2692-08	INSTRUCTION MANUAL(PO)		
620	1C	*	E03-0115-05	AC PLUG ADAPTOR		
621	1E	*	E04-0459-08	AC POWER CORD		
621	1E	*	E30-2753-08	AC POWER CORD		
622	1C	*	E30-0505-05	AUDIO CORD		
623	1C	*	E30-2733-05	SYSTEM CONTROL CODE		
-	-	*	H25-1582-08	PROTECTION BAG		
-	-	*	H25-1594-08	PROTECTION BAG (SET)		
-	-	*	H50-1902-08	ITEM CARTON CASE		
-	-	*	H50-1903-08	ITEM CARTON CASE		
-	-	*	H50-1904-08	ITEM CARTON CASE		
630	2E	*	J02-1171-08	FOOT HOLDER		
631	2C	*	J19-5754-08	AC CORD BUSHING (FL)		
632	1E	*	J42-0083-05	AC CORD BUSHING		
640	2C	*	K29-6512-08	KNOB (POWER)		
641	2C,2D	*	K29-6513-08	KNOB (10KEY)		
642	2C	*	K29-6514-08	KNOB (CD FUNCTION)		
650	1D	*	L07-2252-08	POWER TRANSFORMER		
650	1D	*	L07-2253-08	POWER TRANSFORMER		
650	1D	*	L07-2254-08	POWER TRANSFORMER		
C	-	*	N09-3343-08	SCREW (M3X10 SPECIAL)		
D	-	*	SH1129700037	SCREW (M3X10 SPECIAL)		
ELECTRIC PARTS						
C1	-	-	CK45FB1C103K	CERAMIC		
C2	-	-	CE04KW1A470M	ELECTRO		
C3	-	-	CK45FB1C104K	CERAMIC		
C4	-	-	CK45FB1E102K	CERAMIC		
C5 ,6	-	-	CK45FB1E333K	CERAMIC		
C7	-	-	CE04KW1H0R1M	ELECTRO		
C8	-	-	CK45FB1C683K	CERAMIC		
C9	-	-	CK45FB1E473K	CERAMIC		
C10	-	-	CC45FSL1H181J	CERAMIC		
C11 ,12	-	-	CK45FB1C104K	CERAMIC		
C13	-	-	CC45FSL1H331J	CERAMIC		

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C112	-	-	CE04KW1E471M	ELECTRO		
C113,114	-	-	CE04KW1A470M	ELECTRO		
C115	-	-	CK45FB1E223K	CERAMIC		
C116,117	-	-	CE04KW1A470M	ELECTRO		
C118,119	-	-	CE04KW1H100M	ELECTRO		
C120-122	-	-	CE04KW1A470M	ELECTRO		
C130,131	-	-	CK45FB1H221K	CERAMIC		
C301,302	-	-	CC45FSL1H221K	CERAMIC		
C303,304	-	-	CK45FB1E473K	CERAMIC		
C501	-	-	CK45FB1H123K	CERAMIC		
C701	-	-	CK45FB1E473K	CERAMIC		
675	2D	*	E35-1672-08	FLAT CABLE CONNECTOR (CNP6-501)		
CNP1	-	-	E40-9866-08	PIN ASSY (3P)		
CNP2	-	-	E40-9865-08	PIN ASSY (3P)		
CNP3	-	-	E40-9868-08	PIN ASSY (6P)		
CNP4	-	-	E40-9866-08	PIN ASSY (6P)		
CNP6	-	-	E40-3871-05	FLAT CABLE CONNECTOR		
CNP201	-	-	E40-8043-08	FLAT CABLE CONNECTOR		
CNP501	-	-	E40-4211-05	FLAT CABLE CONNECTOR		
CNP701	-	-	E40-8044-08	FLAT CABLE CONNECTOR		
J1	-	-	E63-0122-05	PHONE JACK (AUDIO OUTPUT)		
J2	-	-	E11-0188-05	PHONE JACK (SYSTEM CONT.)		
J701	-	-	E11-0345-08	MINIATURE PHONE JACK (PHONES)		
Δ F201	-	-	F05-1014-05	FUSE (SEMCO2.5V0.1A)		
Δ F201	-	-	F05-2015-05	FUSE (SEMCO250V0.2A)		
Δ F501	-	-	F05-5016-05	FUSE (SEMCO250V0.5A)		
FH1 ,2	-	-	J13-0091-08	FUSE HOLDER		
FH201,202	-	-	J13-0091-08	FUSE HOLDER		
L1	-	-	L40-8281-17	COIL (0.82UH)		
L2 ,4	-	-	L77-2186-08	COIL (0.22UH)		
L701	-	-	L77-2186-08	COIL (0.22UH)		
XL1	-	-	L78-0664-08	CRYSTAL OSCILLATOR (16.9646MHZ)		
XL2	-	-	L78-0267-05	CERAMIC (4.1724MHZ)		
R88	-	-	RN14BK2H101J	RN		
R124,125	-	-	RN14BK2H180J	RN		
R933	-	-	RN14BK2H101J	RN		
SW1	-	-	S62-0061-08	SWITCH (AUTO PLAYBACK)		
SW10	-	-	S70-0041-08	SWITCH (TEST)		
SW201	-	-	SH1105270143	SWITCH (POWER SELECT)		
SW501-525	-	-	S70-0041-08	SWITCH (10KEY)		
SW601	-	-	S70-0041-08	SWITCH (POWER)		
D1 ,9	-	-	1SS133T	DIODE		
D10	-	-	RL104T	DIODE		
D13,14	-	-	1SS133T	DIODE		
D301,302	-	-	1SS133T	DIODE		
D501-508	-	-	1SS133T	DIODE		
D701,702	-	-	1SS133T	DIODE		
FL501	-	-	10-BT-67GK	INDICATOR TUBE		
IC1	-	-	LA9233M	IC(SERVO)		

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C14	-	-	CK45FB1H103K	CERAMIC		
C15	-	-	CK45FB1E333K	CERAMIC		
C16	-	-	CE04KW1H2R2M	ELECTRO		
C17	-	-	CK45FB1H102K	CERAMIC		
C18 ,19	-	-	CE04KW1H010M	ELECTRO		
C20	-	-	CE04KW1C220M	ELECTRO		
C21	-	-	CK45FB1H332M	CERAMIC		
C22	-	-	CK45FB1H272M	CERAMIC		
C23	-	-	CC45FSL1H150J	CERAMIC		
C24	-	-	CK45FB1E102K	CERAMIC		
C25	-	-	CK45FB1E333K	CERAMIC		
C26	-	-	CE04KW1E473M	ELECTRO		
C27	-	-	CK45FB1C103K	CERAMIC		
C28	-	-	CE04KW1H0R1M	ELECTRO		
C29	-	-	CE04KW1A101M	ELECTRO		
C30	-	-	CK45FB1H103K	CERAMIC		
C31	-	-	CK45FB1H104K	CERAMIC		
C32	-	-	CE04KW1H010M	ELECTRO		
C33	-	-	CE04KW1H0R33M	ELECTRO		
C34	-	-	CK45FB1H103K	CERAMIC		
C35	-	-	CE04KW1H010M	ELECTRO		
C41	-	-	CE04KW1H010M	ELECTRO		
C42	-	-	CE04KW1H010M	ELECTRO		
C43	-	-	CK45FB1E223K	CERAMIC		
C44	-	-	CE04KW1A470M	ELECTRO		
C45	-	-	CC45FSL1H221J	CERAMIC		
C46	-	-	CE04KW1A470M	ELECTRO		
C47	-	-	CK45FB1H103K	CERAMIC		
C48	-	-	CK45FB1E473K	CERAMIC		
C49	-	-	CK45FB1C104K	CERAMIC		
C50 ,51	-	-	CC45FSL1H221J	CERAMIC		
C52 ,53	-	-	CK45FB1E473K	CERAMIC		
C54	-	-	C90-3231-05	ELECTRO		
C55 ,56	-	-	CK45FB1H103K	CERAMIC		
C57	-	-	CE04KW1H221M	ELECTRO		
C58	-	-	CC45FSL1H8R2D	CERAMIC		
C59	-	-	CC45FSL1H100J	CERAMIC		
C63 ,64	-	-	C91-1544-08	MYLAR		
C65 -68	-	-	CK45FB1H101K	CERAMIC		
C69 ,70	-	-	CK45FB1E223K	CERAMIC		
C71 ,72	-	-	CE04KW1C100M	ELECTRO		
C74	-	-	CE04KW1E221M	ELECTRO		
C75	-	-	CE04KW1V221M	ELECTRO		
C76	-	-	CE04KW1V101M	ELECTRO		
C77	-	-	CE04KW1E101M	ELECTRO		
C78 ,79	-	-	CK45FB1H103K	CERAMIC		
C80	-	-	CE04KW1H473M	ELECTRO		
C81	-	-	CE04KW1A101M	ELECTRO		
C82	-	-	CK45FB1H103K	CERAMIC		
C83 ,84	-	-	CE04KW1H101M	ELECTRO		
C87 ,88	-	-	CE04KW1H100M	ELECTRO		
C89 ,90	-	-	CE04KW1A101M	ELECTRO		
C95	-	-	CK45FB1H103K	CERAMIC		
C111	-	-	CE04KW1E332M	ELECTRO		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
IC2	-	-	LC78620J	IC		
IC4	-	-	IX0125	IC		
IC5	-	-	M56748FP	IC		
IC7	-	-	IA7291S	IC(BRIDGE DRIVER)		
IC9	-	-	KIA7036	IC		
IC11, 12	-	-	NUM4565D	IC(OP AMP X2)		
LED501	-	-	3N4PDN32	LED		
Q1	-	-	KTAT266GR	TRANSISTOR		
Q3	-	-	KTAT271Y	TRANSISTOR		
Q4	-	-	2SB1237R3	TRANSISTOR		
Q5	-	-	KTAT266GR	TRANSISTOR		
Q6 -10	-	-	KTC3199GR	TRANSISTOR		
Q11	-	-	2SD2012	TRANSISTOR		
Q13	-	-	KRC107M	TRANSISTOR		
ZD2	-	-	MTZJ9R1A	ZENER DIODE		
ZD3	-	-	MTZJ7R5BT	ZENER DIODE		
ZD4 ,5	-	-	MTZJ9R1A	ZENER DIODE		
ZD6	-	-	MTZJ30BT	ZENER DIODE		
ZD7	-	-	MTZJ6R8B	ZENER DIODE		
ZD10	-	-	MTZJ8R2AT	ZENER DIODE		
RMC501	-	-	W02-1174-05	ELECTRIC MODULE(FOR DP-2080)		
MECHANISM PARTS						
1	1B	-	A11-1087-08	CHASSIS		
5	2B	-	D10-3619-08	ROD		
6	1A	-	D13-1726-08	GEAR (RACK)		
7	1A	-	D13-1727-08	GEAR (TRAY)		
8	2B	-	D13-1728-08	GEAR (MIDDLE)		
9	2B	-	D13-1729-08	GEAR (DRIVE)		
10	1B	-	D15-0388-08	PULLEY		
11	1B	-	D16-0396-08	BELT		
15	2B,3B	-	J02-1146-08	INSULATOR		
16	2B	-	J11-0811-08	CLAMPER		
17	1B	-	J11-0812-08	CLAMPER		
18	3A	-	J19-5661-08	HOLDER		
19	2B	-	J19-5662-08	HOLDER		
20	2A	-	J99-0580-08	TRAY		
-	-	-	SH1309330057	WIRE BAND		
A	3B	-	N09-2960-08	SCREW		
B	1B	-	N09-2928-08	SCREW		
C	2A,2B	-	SH1109700937	SCREW (M2,6X6)		
E	3B	-	SH1309701564	SCREW (M2X3)		
G	2B	-	SH1109700938	SCREW (M2X5)		
25	2B	-	S74-0053-08	LEAF SWITCH		
26	3B	-	S74-0054-08	LEAF SWITCH		
30	1B	-	T99-0573-08	MAGNET		
DM	3B	-	T42-0825-08	MOTOR ASSY		
FM	3B	-	T42-0824-08	MOTOR ASSY		
LM	2B	-	T42-0823-08	MOTOR ASSY		
PU	3A	-	T25-0033-15	PICKUP ASSY		

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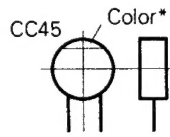
Δ indicates safety critical components.

PARTS DESCRIPTIONS

CAPACITORS

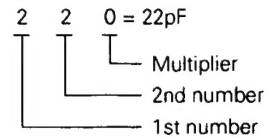
CC 45 TH 1H 220 J
1 2 3 4 5 6

- 1 = Type ... ceramic, electrolytic, etc. 4 = Voltage rating
2 = Shape ... round, square, ect. 5 = Value
3 = Temp. coefficient 6 = Tolerance



• Capacitor value

010 = 1pF
100 = 10pF
101 = 100pF
102 = 1000pF = 0.001μF
103 = 0.01μF



• Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

• Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF -10 ~ +50 Less than 4.7μF -10 ~ +75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

• Voltage rating

2nd word 1st word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

• Chip capacitors

(EX) C C 7 3 F S L 1 H 0 0 0 J
1 2 3 4 5 6 7
(Chip) (CH, RH, UJ, SL)

(EX) C K 7 3 F F 1 H 0 0 0 Z
1 2 3 4 5 6 7
(Chip) (B, F)

Refer to the table above.

1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Voltage rating
6 = Value
7 = Tolerance

Dimension (Chip capacitors)

Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

RESISTORS

• Chip resistor (Carbon)

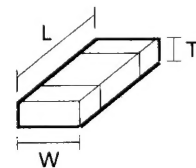
(EX) R K 7 3 E B 2 B 0 0 0 J
1 2 3 4 5 6 7
(Chip) (B, F)

• Carbon resistor (Normal type)

(EX) R D 1 4 B B 2 C 0 0 0 J
1 2 3 4 5 6 7

- 1 = Type 5 = Rating wattage
2 = Shape 6 = Value
3 = Dimension 7 = Tolerance
4 = Temp. coefficient

Dimension



Dimension (Chip resistor)

Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6 ± 0.2	0.8 ± 0.2	0.5 ± 0.1

Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

DP-1080/2080

SPECIFICATIONS

[Format]

System Compact disc digital audio system
Laser Semiconductor laser
Number of channels 2 channels
Playing rotation 200 rpm ~ 500 rpm (CLV)

[D/A Convertors]

D/A Conversion 1 Bit
Oversampling 8 fs (352.8 kHz)

[Audio]

Frequency response 8 Hz ~ 20 kHz ± 1.0 dB
Signal to noise ratio More than 94 dB
Dynamic range More than 92 dB
Total harmonic distortion Less than 0.005%

Channel separation More than 83 dB
Wow & flutter Unmeasurable limit
Output level/impedance
Fixed 2.0 V/3.3 k Ω
Headphone output 6 mW (32 Ω)

[General]

Power consumption 14 W
Dimensions W : 440 mm (17 - 5/16")
H : 93 mm (3 - 11/16")
D : 375 mm (14 - 3/4")
Weight (Net) 4.0 kg (8.8 lb)

Note :

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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